



MSD

Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

August 11, 2006

Mr. Femi Akindele
Remedial Project Manager
Kentucky/Tennessee Section
U.S. Environmental Protection Agency
Region IV
61 Forsyth Street
Atlanta, GA 30303

**Re: Report of Field Observation – FY06 -Fourth Quarter (FY06-4Q)
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No-91-32-C**

Dear Mr. Akindele:

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site. I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No FY06-4Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY06-4Q.

Sincerely,

Richard H. Watkins, Sr.
Infrastructure Liaison
RHW/rw
Lees-06-4Q

Enc.

cc: Kentucky National Resource Environment Protection Cabinet
Mr. Ken Logsdon, Division of Waste Management
Herbert J. Schardein, Jr., Executive Director
Saeed Assef, Senior Manager
Lees Lane File



Beneficial Use of Louisville's Biosolids
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REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No.: FY06-4Q **Date of Observation:** 06/28/06

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

<u>Comment No.:</u>	<u>Comment</u>
A-3	Observed all vegetation in landfill area in good growth, no sign of vegetation being in distress
A-4	Observed that the access road to gas collection Well No. 5 remains in good condition from resurfacing with new gravel. Road does show ATV movement crossing road.
B-1	Condition of the Lee's Lane barricade remains unchanged from previous quarterly institutional inspections. Barricade painting has been rescheduled.
B-2	Condition of the Putnam Avenue barricade remains unchanged from previous quarterly institutional inspections. Intrusions into the landfill site and flood protection levee areas by ATVs from the woods adjacent to the Putnam Avenue barricade are still in evidence. However, the landfill site and flood protection levee are continue to receive surveillance by the Metro Louisville Police. Vegetation along the access road to the Putnam Avenue barricade has been cut.

<u>Comment No:</u>	<u>Corrective Action Performed</u>
A-3	Continued observation, No action required
A-4	No corrective action required at this time.
B-1	Continue to observe condition of the Lee's Lane barricade during future quarterly institutional inspections. Rescheduled painting of Lee's Lane barricade during FY07-1Q.
B-2	Continue to observe condition of the Putnam Avenue barricade during future quarterly institutional inspections. Replace damaged "No Trespass - Keep Out" signs at strategic locations along the access road, floodwall levee, and Mill Creek cut-off channel areas in an effort to discourage ATV intrusions and trespass into the landfill and levee area sites.

Comment No.:**Comment**

- C-7 Observed tilted well and moisture trap concrete collars for 2, 4, 8, 11, 12, 14, and 16.
- C-8 Observed covers missing for moisture traps 26 and 27.
- D-3 Observed minor rusting of the protective casings for gas monitoring well. Painting has been rescheduled

Comment No:**Corrective Action Performed**

- C-7 Schedule resetting of tilted well and moisture trap concrete collars for 2, 4, 8, 11, 12, 14, and 16. weather and scheduling permitting.
- C-8 Obtain replacement covers and install on moisture traps.
- D-3 Reschedule painting of gas monitoring wells protective casings during FY07-1Q.

Comment No.:**Comment**

- D-8 Monitoring wells tubing, fittings, and valves were not directly observed but any external damage or disturbance to enclosures was evident. .
- E-7 Observed vegetative growth on portions of the riprap levee and riprap drainage channel slopes.
- E-8 Observed evidence of trash and debris build-up on the riprap area has been reduced from prior observations. Trespassers continue to utilize the debris as fuel for small bonfires, thereby eliminating the necessity to remove the debris from the riprap area.
- F-4 Observed areas of inadequate grass cover from intrusion of ATV's.
- F-5 Although this quarterly institutional inspection followed a recent rain event, there was no evidence of ponding water except in ruts left by ATVs.

Comment No:

Corrective Action Performed

- | | |
|-----|---|
| D-8 | Monitoring well tubing, fittings, and valves were not directly observed but no external damage or disturbance to enclosures was evident. Condition of tubing, fittings, and valves will be determined during the scheduled FY07-1Q sampling program efforts |
| E-7 | Continued spraying of the riprap drainage channels and riprap cap area should be prior to the end of FY07-2Q. |
| E-8 | No further action required at this time. |
| F-4 | Areas of inadequate grass cover have recently been re-graded and dress with top soil, grass seed and straw matting as necessary |
| F-5 | Ruts from ATVs and other vehicles have been backfilled as necessary and dressed with top soil grass seed and straw matting as required. Will to continue to monitor condition... |

4Q-06

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY06-4Q Date of Observation 06/28/06
 Time Arrived Onsite: 1:30 PM Time Departed Site: 2:45 PM
 Field Personnel: RICHARD H WATKINS, SR. INFRASTRUCTURE LIAISON

Section A: General Site Conditions

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment <u>No.</u>
1. Major settlement of topsoil or erosion exposing waste/fill material	—	—	—	—
2. Evidence of leachate seepage	—	—	—	—
3. Distressed Vegetation	—	<u>X</u>	—	<u>A-3</u>
4. Pot holes, erosion of access road	<u>X</u>	—	—	<u>A-4</u>

Section B: Institutional Controls

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment <u>No.</u>
1. Structural problem with Lee's Lane gate or barricade	<u>X</u>	—	—	<u>B-1</u>
2. Structural problem with Putman Ave. barricade	<u>X</u>	—	—	<u>B-2</u>
3. Lee's Lane gate unlocked	—	—	—	—
4. Broken or missing lock	—	—	—	—

Section C: Gas Collection System

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment <u>No.</u>
1. Vandalism to blower house wells, or moisture traps	—	—	—	—
2. Structural damage to blower house	—	—	—	—
3. Blower not operating or visible damage	—	—	—	—
4. Blower house not secure and unclean	—	—	—	—

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment <u>No.</u>
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5.	Service box lids not in place	—	—	—	—
6.	Alarm and blower controls not functioning	—	—	—	—
7.	Settlement or tilting of well/moisture trap concrete collars	<u>X</u>	—	—	<u>C-7</u>
8.	Well/moisture trap covers missing or damaged	<u>X</u>	—	—	<u>C-8</u>
9.	Excessive vegetation covering wells/moisture traps	—	—	—	—
10.	Adjustment valve inaccessible	—	—	—	—
11.	Well/moisture trap caps, plugs, and piping missing	—	—	—	—
12.	Blower house and well/moisture trap signs missing or damaged	—	—	—	—

Section D: Groundwater & Gas Monitor Wells

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Wells unlocked	—	—	—	—
2. Guard posts and rails missing or damaged	—	—	—	—
3. Protective casing missing, damaged or rusted	<u>X</u>	—	—	<u>D-3</u>
4. Concrete pads damaged or cracked	—	—	—	—
5. Possible surface water infiltration into wells	—	—	—	—
6. Excessive vegetation or debris around wells	<u>X</u>	—	—	<u>D-6</u>
7. Well cap missing or damaged	—	—	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	<u>X</u>	—	<u>D-8</u>

Section E: Bank Protection Controls

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment
				<u>No.</u>
1. Subsidence of slope, sloughing or caving	—	—	—	—
2. Erosion of rip-rap or underlying material	—	—	—	—
3. Abnormally damp areas, wet ground vegetation	—	—	—	—
4. Soft spots in surface	—	—	—	—
5. Seepage, water flow, piping, or sand boils	—	—	—	—
6. Undermining of rip-rap	—	—	—	—
7. Vegetative growth on rip-rap slope	<u>X</u>	—	—	<u>E-7</u>
8. Buildup of trash and debris on rip-rap	—	—	—	—
9. Exposed trash or filter fabric	—	—	—	—
10. Tilting trees	—	—	—	—
11. Tension cracks	—	—	—	—
12. Survey monuments missing or damaged	—	—	—	—

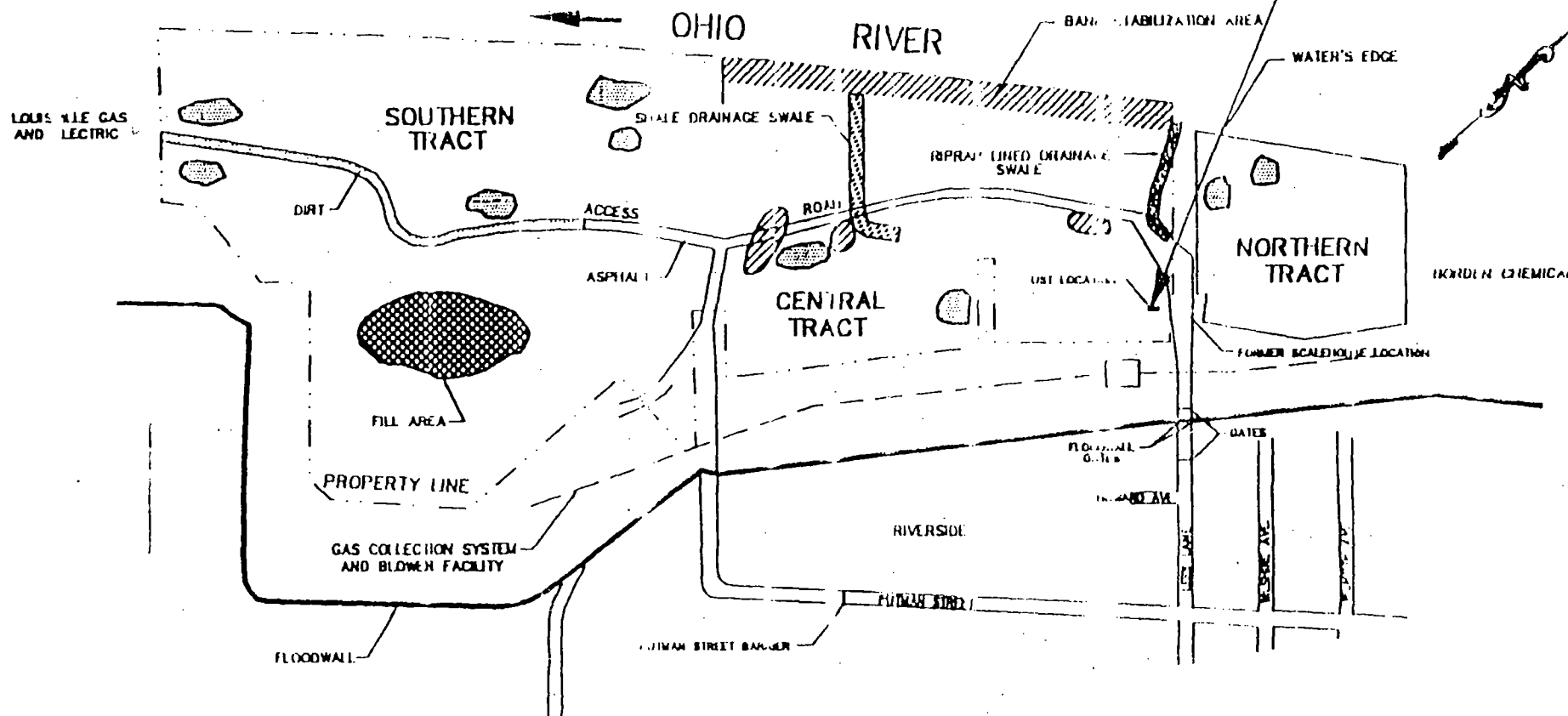
Section F: Surface Waste Cleanup/Cover

Observations:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	Comment
				<u>No.</u>
1. Swales greater than 1 foot wide and 2 inches deep	—	—	—	—
2. Cracks greater than 1 inch wide and 6 inches deep	—	—	—	—
3. Areas of erosional damage to grass	—	—	—	—
4. Inadequate grass cover (area > 36 ft ²)	<u>X</u>	—	—	<u>F-4</u>
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	<u>X</u>	—	—	<u>F-5</u>
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	—	—	—

*If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

USE REMOVED FROM SITE BY MSD



LEGEND

- APPROXIMATE AREA OF DRILL REBURIAL DURING CERCLA REMOVAL
- AREA OF SUBSIDENCE

DRAWING NOT TO SCALE
SOURCE: RESOURCES APPLICATIONS, INC.

ARCS / LEE'S LANE LANDFILL
LOUISVILLE, KENTUCKY

FEATURE MAP

FIGURE 2-1

ROY F. WESTON, INC.



DRAWN	DATE	DES. ENG.	DATE	J. FL. NO.
WRS	9/97			04400-083
CHECKED	DATE	APPROVED	DATE	HWG. NO.
				LEESL2-1

Observation Report No: FY06-4Q

Date of Observation 06/28/06

Site Map

Observer's Signature: 

Date: 8/12/06